

**ORANGE COUNTY EMS AGENCY
PARAMEDIC PHARMACOLOGY HANDBOOK**

MEDICATION: DEXTROSE INJECTION, 50% (D ₅₀ W)	ADULT DOSE	PEDIATRIC DOSE	SIDE EFFECTS	PRECAUTIONS/COMMENTS
CLASSIFICATION: Glucose Replacement MECHANISM OF ACTION: <ul style="list-style-type: none">Elevates blood glucose level. INDICATIONS: <ul style="list-style-type: none">Blood glucose determination < 60. DOSAGE FORM: <ul style="list-style-type: none">25 gm/50 ml (50%), 50 ml prefilled syringe	<ul style="list-style-type: none">50 ml of 50% solution (25 gm) IVP, may repeat once.	<ul style="list-style-type: none"> 1 ml/kg IVP if > 2 years. 2 ml/kg 25% dextrose if < 2 years.* May repeat once in 5 minutes. Do not exceed adult dose. <p>* For pediatric patients < 2 years, dilute to 25% dextrose. Discard one half the volume of the D₅₀W syringe and then draw up the same volume of NS from IV tubing. Rotate to mix prior to administration.</p>	<ul style="list-style-type: none"> Hyperglycemia. Dehydration. 	<ul style="list-style-type: none"> Has a marked sclerosing effect on veins and can be damaging if injected into interstitial tissues. Monitor IV site for extravasation; aspirate before and during administration.